BMC SOFTWARE Certified MarketZone Product

Release Notes

Sentry Integrator for BMC TrueSight Capacity Optimization

Version 5.0.00

January 2015

These release notes provide information about the enhancements and resolved problems in this release. The information in this document supplements and supersedes information in the product manuals. The following topics are discussed:

Dell Compellent Enterprise Manager ETL for BMC TrueSight Capacity Optimization 5.0.002
EMC SMI-S Agent ETL for BMC TrueSight Capacity Optimization 5.0.00 3
Hitachi Device Manager ETL for BMC TrueSight Capacity Optimization 5.0.00 4
HP 3PAR ETL for BMC TrueSight Capacity Optimization 5.0.00.....4
NetApp Data ONTAP ETL for BMC TrueSight Capacity Optimization 5.0.00.....5
Storage Capacity Views and Reports for BMC TrueSight Capacity Optimization 5.0.00 7
Product Documents.....7
Customer Support 7

Dell Compellent Enterprise Manager ETL for BMC TrueSight Capacity Optimization 5.0.00

What's New

- Dell Enterprise Manager ETL for BMC TrueSight Capacity Optimization supports the remote ETL engine.

Changes and Improvements

- Collection cycle has been improved and is now determined by the discovery interval.

Fixed Issues

- To prevent missing samples, the saver now starts loading samples once the collect has finished writing to the local store.
- Volumes were only visible under All systems and business drivers > Unassigned in the Workspace navigation tree. They are now attached to the Dell Compellent Storage Center.
- The ST_CONSUMED_CAPACITY_PCT metric was not properly calculated and could exceed 100%.
- Volumes were loaded in the BMC TrueSight CO database even though the Import Entities option was disabled.

EMC SMI-S Agent ETL for BMC TrueSight Capacity Optimization 5.0.00

What's New

- Support for the remote ETL engine.
- Support for EMC Celerra storage systems (Support of both SAN and NAS).

Changes and Improvements

- Collection cycle has been improved and is now determined by the discovery interval.

Fixed Issues

- To prevent missing samples, the saver now starts loading samples once the collect has finished writing to the local store.
- Volumes were only visible under All systems and business drivers > Unassigned in the Workspace navigation tree. They are now attached to the EMC Disk Array.
- Volumes were loaded in the BMC TrueSight CO database even though the Import Entities option was disabled.
- Storage pools were not properly discovered which resulted in the ST_CAPACITY metric to be wrongly calculated.

Hitachi Device Manager ETL for BMC TrueSight Capacity Optimization 5.0.00

What's New

- Support for Hitachi Device Manager v.8.
- Support for the remote ETL engine.

Changes and Improvements

- Collection cycle has been improved and is now determined by the discovery interval.
- ST_SYSTEM_PORT_NUM now reports the number of frond end ports.

Fixed Issues

- Volumes were only visible under All systems and business drivers > Unassigned in the Workspace navigation tree. They are now attached to the Hitachi Disk Array.
- Volumes were loaded in the BMC TrueSight CO database even though the Import Entities option was disabled.
- To prevent missing samples, the saver now starts loading samples once the collect has finished writing to the local store.

HP 3PAR ETL for BMC TrueSight Capacity Optimization 5.0.00

What's New

- Support for the remote ETL engine.
- Host mapping information is available for the HP 3PAR Storage Systems through the STOHOST dataset. The information can be visualized in the Storage Capacity view and from the Workspace, under the Volume entity.

NetApp Data ONTAP ETL for BMC TrueSight Capacity Optimization 5.0.00

What's New

- NetApp Data ONTAP ETL for BMC TrueSight Capacity Optimization supports the remote ETL engine.
- Host mapping information is now available for the NetApp platforms through the STOHOST dataset. The information can be visualized in the Storage Capacity view and from the Workspace, under the Volume entity.

New Metrics

STOCONT Dataset
The following metrics were added to the STOCONT Dataset:

- BYCONT_IO_RATE (Controller Operation Rate) to provide the number of operations per second performed by the controller.
- BYCONT_IO_READ_RATE (Controller Read Operation Rate) to provide the number of read operations per second performed by the controller.
- BYCONT_IT_WRITE_RATE (Controller Write Operation Rate) to provide the number of write operations per second performed by the controller.

STOGLB Dataset
The following metrics were added to the STOGLB Dataset:

- ST_POOL_IO_RATE (Storage Pool Operation Rate) to provide the total number of operations per second performed by the storage pool.
- ST_POOL_IO_READ_RATE (Storage Pool Read Operation Rate) to provide total number of read operations per second performed by the storage pool.
- ST_POOL_IO_WRITE_RATE (Storage Pool Write Operation Rate) to provide the total number of write operations per second performed by the storage pool.
- ST_SYSTEM_IO_RATE (Storage System Operation Rate) to provide the total number of operations per second performed by the system.
- ST_SYSTEM_IO_READ_RATE (Storage System Read Operation Rate) to provide the number of read operations per second performed by the system.
- ST_SYSTEM_IO_WRITE_RATE (Storage System Write Operation Rate) to provide the number of write operations per second performed by the system.
- ST_VOLUME_SNAPSHOT_RESERVE_USED_PCT (Storage Volume Snapshot Reserve Used Percentage) to provide the percentage of Storage Volume Snapshot Reserve Used.

Changes and Improvements

- ST_POOL_IO_RATE (Storage Pool Operation Rate) to provide the total number of operations per second performed by the storage pool.
- ST_POOL_IO_READ_RATE (Storage Pool Read Operation Rate) to provide total number of read operations per second performed by the storage pool.
- ST_POOL_IO_WRITE_RATE (Storage Pool Write Operation Rate) to provide the total number of write operations per second performed by the storage pool.
- ST_SYSTEM_IO_RATE (Storage System Operation Rate) to provide the total number of operations per second performed by the system.
- ST_SYSTEM_IO_READ_RATE (Storage System Read Operation Rate) to provide the number of read operations per second performed by the system.
- ST_SYSTEM_IO_WRITE_RATE (Storage System Write Operation Rate) to provide the number of write operations per second performed by the system.
- ST_VOLUME_SNAPSHOT_RESERVE_USED_PCT (Storage Volume Snapshot Reserve Used Percentage) to provide the percentage of Storage Volume Snapshot Reserve Used.

Fixed Issues

- The Manage ONTAP library v5.1 required for operating NetApp Data ONTAP ETL for BMC TrueSight Capacity Optimization was conflicting with an older version stored in the scheduler/lib/ directory.
- To prevent missing samples, the saver now starts loading samples once the collect has finished writing to the local store.
- Volumes were only visible under All systems and business drivers > Unassigned in the Workspace navigation tree. They are now attached to the NetApp Filer.
- Volumes and shares were loaded in the BMC TrueSight CO database even though the Import Entities option was disabled.
- The ST_VOLUME metric was not properly computed.
- The bandwidth consumed in the storage system (ST_SYSTEM_BANDWIDTH_UTIL metric) was not properly calculated. The computation method has therefore been changed and is now the ratio of the total number of bytes transferred to the FC ports to the system bandwidth.
- Ethernet ports were missing when using Data ONTAP 8.2.1 in cluster mode.

Known Issues

- The value of the ST_SYSTEM_BANDWIDTH metric is not correct due to an invalid configuration unit (Information is stored in BIT/s but considered as Bytes/s).

Storage Capacity Views and Reports for BMC TrueSight Capacity Optimization 5.0.00

What's New

- Support for BMC TrueSight Capacity Optimization 10.0.
- For multi-tenancy support, all the Sentry's SQL datamarts expose ENTID and STRUCTUREID.
- The Filer Name and Pool Name columns were added to the Shares Overview table.

Fixed Issues

- The misconfiguration on the views analysis template has been fixed.

Product Documents

The following documents support the product:

- Dell Compellent Enterprise Manager ETL for BMC TrueSight Capacity Optimization 5.0.00 User Documentation
- EMC SMI-S Agent ETL for BMC TrueSight Capacity Optimization 5.0.00 User Documentation
- Hitachi Device Manager ETL for BMC TrueSight Capacity Optimization 5.0.00 User Documentation
- HP 3PAR ETL for BMC TrueSight Capacity Optimization 5.0.00 User Documentation
- NetApp Data ONTAP ETL for BMC TrueSight Capacity Optimization 5.0.00 User Documentation
- Storage Capacity Views and Reports for BMC TrueSight Capacity Optimization 5.0.00 User Documentation

To view the latest BMC Software books and release notes, visit the Customer Support Web page at http://www.bmc.com/support_home or the product page on the Sentry Software website at http://www.sentrysoftware.com/user documentation.

Customer Support

If you have problems with or questions about a BMC Software product, go to the BMC Software Customer Support page at http://www.bmc.com/support_home. You can view and download product documents, release notes, frequently asked questions, and related information from the Customer Support Web site. If you do not have access to the Web and you are

in the USA or Canada, contact BMC Software Customer Support at 800 537 1813. Outside the USA or Canada, contact your local BMC Software office or agent.

Copyright 2014 BMC Software, Inc. or licensors. All rights reserved.

BMC Software, the BMC Software logos, and all other BMC Software product or service names are registered trademarks or trademarks of BMC Software, Inc.

IBM is a registered trademark of International Business Machines Corporation.

DB2 is a registered trademark of International Business Machines Corporation.

Oracle is a registered trademark, and the Oracle product names are registered trademarks or trademarks of Oracle Corporation.

All other trademarks belong to their respective companies.

BMC Software considers information included in this documentation to be proprietary and confidential. Your use of this information is subject to the terms and conditions of the applicable End User License Agreement for the product and the proprietary and restricted rights notices in the product documentation.

BMC Software, Inc.
2101 CityWest Blvd., Houston, TX 77042-2827 • 713 918 8800
Customer Support: 800 537 1813 (United States and Canada) or contact your local support center